

**EAST Search History** - *ORC* 5/30/2007

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	22	polymer with (repeating adj unit) with (crosslinking adj monomer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/30 16:24
L2	0	"di\$4ylamino ethylacrylate \$4ylchloride" "di\$4ylaminoethylacrylate \$4ylchloride" "[2-(acryloyloxy)ethyl]tri\$4ylammonium" "[2-(Acryloyloxy)ethyl]tri\$4thyl-ammonium" "[2-(methacryloyloxy)ethyl]tri\$4ylammonium" "Acryloyloxyethyltri\$4ylammonium chloride" "methacryloyloxyethyltri\$4ylammonium chloride"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/30 16:25
L3	139	"dimethylamino ethylacrylate methylchloride" "dimethylaminoethylacrylate methylchloride" "[2-(acryloyloxy)ethyl]trimethylammonium" "[2-(Acryloyloxy)ethyl]trimethylammonium" "[2-(methacryloyloxy)ethyl]trimethylammonium" "Acryloyloxyethyltrimethylammonium chloride" "methacryloyloxyethyltrimethylammonium chloride"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/30 16:26
L4	1	"dipropylamino ethylacrylate propylchloride" "dipropylaminoethylacrylate propylchloride" "[2-(acryloyloxy)ethyl]tripropylammonium" "[2-(Acryloyloxy)ethyl]tripropylammonium" "[2-(methacryloyloxy)ethyl]tripropylammonium" "Acryloyloxyethyltripropylammonium chloride" "methacryloyloxyethyltripropylammonium chloride"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/30 16:26

## EAST Search History

L5	3	"diethylamino ethylacrylate ethylchloride" "diethylaminoethylacrylate ethylchloride" "[2-(acryloyloxy)ethyl]triethylammonium" "[2-(Acryloyloxy)ethyl]trimethylammonium" "[2-(methacryloyloxy)ethyl]triethylammonium" "Acryloyloxyethyltriethylammonium chloride" "methacryloyloxyethyltriethylammonium chloride"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/30 16:26
L6	141	I3 or I4 or I5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/30 16:27
L7	1689	("methoxy triethylene glycol" near3 acrylate) or ("methoxytriethylene glycol" near3 acrylate) or ("methoxypolyethylene glycol" near3 acrylate) or ("methoxy diethylene glycol" near3 acrylate) or ("methoxydiethylene glycol" near3 acrylate) or ("methoxypolyethylene glycol" near3 acrylate) or ("methoxy polyethylene glycol" near3 acrylate) or ("ethoxy diethylene glycol" near3 acrylate) or ("ethoxydiethylene glycol" near3 acrylate) or ("ethoxypolyethylene glycol" near3 acrylate) or ("ethoxy polyethylene glycol" near3 acrylate)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/30 16:27
L8	2	I6 and I7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/30 16:27
L9	440	(hydrophilic near5 (monomer or unit)) and (cationic near5 (monomer or unit)) and (paper with (sizing or sized or coat\$3))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/30 16:28
L10	386	I9 and (glycol or polyoxyethylene)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/30 16:28

## EAST Search History

L11	373	I10 and (ammonium or quaternary)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/30 16:28
L12	89	I9 and (((ethylene adj glycol) or polyoxyethylene) near2 (acrylate or methacrylate))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/30 16:29
L13	44	I12 and (methoxy or ethoxy or (ethyl adj ether) or (ethyl adj ether))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2007/05/30 16:29
S1	13	((("4795531") or ("4542059") or ("4758461") or ("6033524") or ("4446174") or ("6270881") or ("6165259") or ("5595629") or ("5584966") or ("5902455") or ("3021257") or ("4750974"))).PN.	USPAT; USOCR	OR	OFF	2005/07/29 09:55
S2	0	((("2002100567") or ("2002139502"))).PN.	US-PGPUB	OR	OFF	2005/07/29 07:41
S3	2	((("20020100567") or ("20020139502"))).PN.	US-PGPUB	OR	OFF	2005/07/29 07:41
S4	0	(162/164.10).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/07/29 09:57
S5	658	(162/164.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/07/29 09:58
S6	2173	(106/287.23,285).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/07/29 10:05
S7	478	(428/32.29,32.3,32.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/07/29 12:00
S8	291	(564/281).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/10 13:41

## EAST Search History

S9	4542	"akzo nobel".as.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 12:36
S10	658	(162/164.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/07/29 12:02
S11	2173	(106/287.23,285).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/07/29 12:02
S12	478	(428/32.29,32.3,32.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/07/29 12:02
S13	291	(564/281).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2005/07/29 12:02
S14	6	S9 and (S10 or S11 or S12 or S13)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 12:03
S15	11	("3887427"   "4070236"   "4687519"   "5098520"   "5538596"   "5595629"   "5755930"   "5972094"   "6001166"   "6022449"   "6074468").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/29 12:21
S16	10	S9 and (hallstrom or sikkar or struck).in.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/29 12:22
S17	149	S9 and paper and siz\$3	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 12:38
S18	55	S9 and paper and sizing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 13:01

## EAST Search History

S19	1926	sizing and ((vinyl or acrylic) with copolymer) and quaternary	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 13:02
S20	11	S19 and hydrophylic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/08/01 09:37
S21	30	S19 and ethacrylate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 13:13
S22	1583	S19 and (paper or sheet)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 13:14
S23	389	S22 and ink\$1jet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2005/07/29 13:15
S24	1	"6221957".pn.	USPAT	OR	ON	2005/08/01 09:22
S25	1	("20030212183").PN.	US-PGPUB	OR	OFF	2005/08/01 09:38
S26	3	("2003064767").PN.	EPO; DERWENT	OR	OFF	2005/08/01 11:36
S27	1	("4795531").PN.	USPAT; USOCR	OR	OFF	2006/01/10 13:42
S28	47335	(coating or sizing) and (vinyl near2 co\$1polymer)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/10 13:44
S29	671	(162/164.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/10 13:44
S30	2181	(106/287.23,285).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/10 13:44

## EAST Search History

S31	504	(428/32.29,32.3,32.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/10 13:44
S32	293	(564/281).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/10 13:44
S33	671	(162/164.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/10 13:44
S34	2181	(106/287.23,285).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/10 13:44
S35	504	(428/32.29,32.3,32.1).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/10 13:44
S36	293	(564/281).CCLS.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	OFF	2006/01/10 13:44
S37	3640	S29 or S30 or S31 or S32 or S33 or S34 or S35 or S36	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/10 13:45
S38	217	S28 and S37	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/10 13:59
S39	111	S38 and "molecular weight"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/01/10 13:59
S40	5	"methoxy triethylene glycol acrylate" and (sizing or coating) and polymer and paper	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:51

## EAST Search History

S41	2655	(coated or coating or sized or sizing) and ((recording or imaging or ink\$1jet or electrophotographic) near2 (paper or sheet or medium)) and \$2polymer and acrylate and (quaternary or quaternized) and (polyoxyethylene or hydrophilic or (\$4ethylene adj glycol)) and (molecular adj weight)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:52
S42	836	S41 and ink\$1jet	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:53
S43	877	S41 and (sized or sizing)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:53
S44	424	S42 and S43	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:53
S45	343	S44 and sizing	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:53
S46	187	S45 and polyoxyethylene	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:54
S47	116	(coated or coating or sized or sizing) and ((recording or ink\$1jet) near2 (paper or sheet or medium)) and \$2polymer and acrylate and (quaternary or quaternized) and ((methoxyethyl or methoxyalkyl or alkoxyethyl or alkoxyalkyl) near2 acrylate) and (molecular adj weight)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/13 10:55
S48	99	ethylene adj glycol adj methyl adj ether adj acrylate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/14 07:46

## EAST Search History

S49	81	S48 and (cationic or ammonium or quatern\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/07/14 07:41
S50	44	S48 and hydrophilic	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/20 13:28
S51	763	((writing or printing or recording or (ink adj jet)) near2 (paper or sheet or substrate)) and (siz\$3 or coat\$3) and copolymer and cationic and ammonium and ethoxylate\$1	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/20 13:34
S52	533	S51 and acrylate and (molecular adj weight)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/20 13:33
S53	20	((writing or printing or recording or (ink adj jet)) near2 (paper or sheet or substrate)) and (siz\$3 or coat\$3) and (copolymer near2 cationic) and ammonium and ethoxylate\$1 and ethoxylate and (molecular adj weight)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT	OR	ON	2006/12/20 13:34
S54	1	("20030212183").PN.	US-PGPUB	OR	OFF	2006/12/20 13:51